RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/537,264_

Source: _PCT/10_

Date Processed by STIC: _6/9/05_

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 06/09/2005
PATENT APPLICATION: US/10/537,264   TIME: 10:50:24

Input Set : **N:\RJAVED\10537264.raw.txt**
Output Set: **N:\CRF4\06092005\J537264.raw**

```
 3 <110> APPLICANT: Biolab Sanus Farmaceutica Ltda.; et all
 5 <120> TITLE OF INVENTION: Pharmaceutical Compositions Preparation Of Peptides,
 6       Secreted by The Snake Venom Glands, Particulary Of Bothrops jararaca,
 7       Vasopeptidases Inhibitors, Evasins, Their Analogues, Derivatives And Products
 8       Associated, Thereof. For Development Of Aplications And Use In Chronic-
 9       Degenerative Diseases
11 <130> FILE REFERENCE: PI0205449-3
```
C--> `13 <140> ` **CURRENT APPLICATION NUMBER: US/10/537,264**
C--> `14 <141> ` **CURRENT FILING DATE: 2005-06-01**
```
16 <150> PRIOR APPLICATION NUMBER: BR PI0205449-3
17 <151> PRIOR FILING DATE: 2002-12-09
19 <160> NUMBER OF SEQ ID NOS: 594
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 5
23 <212> TYPE: PRT
24 <213> ORGANISM: Bothrops jararaca
26 <220> FEATURE:
27 <221> NAME/KEY: mat_peptide
28 <222> LOCATION: (1)
29 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
31 <300> PUBLICATION INFORMATION:
32 <301> AUTHORs: Camargo, A.C.M.; Santos, Robson; Millan, Ruben;
33       Ianzer, D.
35 <400> SEQUENCE: 1
```
W--> `36` **Xaa Ser Trp Pro Pro**
```
37    1                 5
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 5
42 <212> TYPE: PRT
43 <213> ORGANISM: Bothrops jararaca
45 <220> FEATURE:
46 <221> NAME/KEY: mat_peptide
47 <222> LOCATION: (1)
48 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
50 <400> SEQUENCE: 2
```
W--> `51` **Xaa Lys Trp Pro Pro**
```
52    1                 5
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 5
57 <212> TYPE: PRT
58 <213> ORGANISM: Bothrops jararaca
60 <220> FEATURE:
61 <221> NAME/KEY: mat_peptide
```

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```
         62 <222> LOCATION: (1)
         63 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
         65 <400> SEQUENCE: 3
W--> 66 Xaa Trp Phe Pro Pro
         67    1               5
         70 <210> SEQ ID NO: 4
         71 <211> LENGTH: 5
         72 <212> TYPE: PRT
         73 <213> ORGANISM: Bothrops jararaca
         75 <220> FEATURE:
         76 <221> NAME/KEY: mat_peptide
         77 <222> LOCATION: (1)
         78 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
         80 <400> SEQUENCE: 4
W--> 81 Xaa Ser Phe Pro Pro
         82    1               5
         85 <210> SEQ ID NO: 5
         86 <211> LENGTH: 5
         87 <212> TYPE: PRT
         88 <213> ORGANISM: Bothrops jararaca
         90 <220> FEATURE:
         91 <221> NAME/KEY: mat_peptide
         92 <222> LOCATION: (1)
         93 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
         95 <400> SEQUENCE: 5
W--> 96 Xaa Lys Phe Pro Pro
         97    1               5
        100 <210> SEQ ID NO: 6
        101 <211> LENGTH: 5
        102 <212> TYPE: PRT
        103 <213> ORGANISM: Bothrops jararaca
        105 <220> FEATURE:
        106 <221> NAME/KEY: mat_peptide
        107 <222> LOCATION: (1)
        108 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        110 <400> SEQUENCE: 6
W--> 111 Xaa Trp Gly Pro Pro
        112    1               5
        115 <210> SEQ ID NO: 7
        116 <211> LENGTH: 5
        117 <212> TYPE: PRT
        118 <213> ORGANISM: Bothrops jararaca
        120 <220> FEATURE:
        121 <221> NAME/KEY: mat_peptide
        122 <222> LOCATION: (1)
        123 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        125 <400> SEQUENCE: 7
W--> 126 Xaa Ser Gly Pro Pro
        127    1               5
```

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```
    130 <210> SEQ ID NO: 8
    131 <211> LENGTH: 5
    132 <212> TYPE: PRT
    133 <213> ORGANISM: Bothrops jararaca
    135 <220> FEATURE:
    136 <221> NAME/KEY: mat_peptide
    137 <222> LOCATION: (1)
    138 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    140 <400> SEQUENCE: 8
W--> 141 Xaa Lys Gly Pro Pro
    142   1               5
    145 <210> SEQ ID NO: 9
    146 <211> LENGTH: 5
    147 <212> TYPE: PRT
    148 <213> ORGANISM: Bothrops jararaca
    150 <220> FEATURE:
    151 <221> NAME/KEY: mat_peptide
    152 <222> LOCATION: (1)
    153 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    155 <400> SEQUENCE: 9
W--> 156 Xaa Ser Trp Ala Pro
    157   1               5
    160 <210> SEQ ID NO: 10
    161 <211> LENGTH: 5
    162 <212> TYPE: PRT
    163 <213> ORGANISM: Bothrops jararaca
    165 <220> FEATURE:
    166 <221> NAME/KEY: mat_peptide
    167 <222> LOCATION: (1)
    168 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    170 <400> SEQUENCE: 10
W--> 171 Xaa Lys Trp Ala Pro
    172   1               5
    175 <210> SEQ ID NO: 11
    176 <211> LENGTH: 5
    177 <212> TYPE: PRT
    178 <213> ORGANISM: Bothrops jararaca
    180 <220> FEATURE:
    181 <221> NAME/KEY: mat_peptide
    182 <222> LOCATION: (1)
    183 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    185 <400> SEQUENCE: 11
W--> 186 Xaa Trp Pro Ala Pro
    187   1               5
    190 <210> SEQ ID NO: 12
    191 <211> LENGTH: 5
    192 <212> TYPE: PRT
    193 <213> ORGANISM: Bothrops jararaca
    195 <220> FEATURE:
```

```
    196 <221> NAME/KEY: mat_peptide
    197 <222> LOCATION: (1)
    198 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    200 <400> SEQUENCE: 12
W--> 201 Xaa Ser Pro Ala Pro
    202   1             5
    205 <210> SEQ ID NO: 13
    206 <211> LENGTH: 5
    207 <212> TYPE: PRT
    208 <213> ORGANISM: Bothrops jararaca
    210 <220> FEATURE:
    211 <221> NAME/KEY: mat_peptide
    212 <222> LOCATION: (1)
    213 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    215 <400> SEQUENCE: 13
W--> 216 Xaa Lys Pro Ala Pro
    217   1             5
    219 <210> SEQ ID NO: 14
    220 <211> LENGTH: 5
    221 <212> TYPE: PRT
    222 <213> ORGANISM: Bothrops jararaca
    224 <220> FEATURE:
    225 <221> NAME/KEY: mat_peptide
    226 <222> LOCATION: (1)
    227 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    229 <400> SEQUENCE: 14
W--> 230 Xaa Trp Phe Ala Pro
    231   1             5
    233 <210> SEQ ID NO: 15
    234 <211> LENGTH: 5
    235 <212> TYPE: PRT
    236 <213> ORGANISM: Bothrops jararaca
    238 <220> FEATURE:
    239 <221> NAME/KEY: mat_peptide
    240 <222> LOCATION: (1)
    241 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    243 <400> SEQUENCE: 15
W--> 244 Xaa Ser Phe Ala Pro
    245   1             5
    247 <210> SEQ ID NO: 16
    248 <211> LENGTH: 5
    249 <212> TYPE: PRT
    250 <213> ORGANISM: Bothrops jararaca
    252 <220> FEATURE:
    253 <221> NAME/KEY: mat_peptide
    254 <222> LOCATION: (1)
    255 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
    257 <400> SEQUENCE: 16
W--> 258 Xaa Lys Phe Ala Pro
```

```
       259   1                   5
       261 <210> SEQ ID NO: 17
       262 <211> LENGTH: 5
       263 <212> TYPE: PRT
       264 <213> ORGANISM: Bothrops jararaca
       266 <220> FEATURE:
       267 <221> NAME/KEY: mat_peptide
       268 <222> LOCATION: (1)
       269 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       271 <400> SEQUENCE: 17
W--> 272 Xaa Trp Gly Ala Pro
       273   1                   5
       275 <210> SEQ ID NO: 18
       276 <211> LENGTH: 5
       277 <212> TYPE: PRT
       278 <213> ORGANISM: Bothrops jararaca
       280 <220> FEATURE:
       281 <221> NAME/KEY: mat_peptide
       282 <222> LOCATION: (1)
       283 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       285 <400> SEQUENCE: 18
W--> 286 Xaa Ser Gly Ala Pro
       287   1                   5
       289 <210> SEQ ID NO: 19
       290 <211> LENGTH: 5
       291 <212> TYPE: PRT
       292 <213> ORGANISM: Bothrops jararaca
       294 <220> FEATURE:
       295 <221> NAME/KEY: mat_peptide
       296 <222> LOCATION: (1)
       297 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       299 <400> SEQUENCE: 19
W--> 300 Xaa Lys Gly Ala Pro
       301   1                   5
       304 <210> SEQ ID NO: 20
       305 <211> LENGTH: 5
       306 <212> TYPE: PRT
       307 <213> ORGANISM: Bothrops jararaca
       309 <220> FEATURE:
       310 <221> NAME/KEY: mat_peptide
       311 <222> LOCATION: (1)
       312 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       314 <400> SEQUENCE: 20
W--> 315 Xaa Ser Trp Arg Pro
       316   1                   5
       318 <210> SEQ ID NO: 21
       319 <211> LENGTH: 5
       320 <212> TYPE: PRT
       321 <213> ORGANISM: Bothrops jararaca
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/09/2005
PATENT APPLICATION: US/10/537,264   TIME: 10:50:25

Input Set : **N:\RJAVED\10537264.raw.txt**
Output Set: **N:\CRF4\06092005\J537264.raw**

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:1; Xaa Pos. 1
Seq#:2; Xaa Pos. 1
Seq#:3; Xaa Pos. 1
Seq#:4; Xaa Pos. 1
Seq#:5; Xaa Pos. 1
Seq#:6; Xaa Pos. 1
Seq#:7; Xaa Pos. 1
Seq#:8; Xaa Pos. 1
Seq#:9; Xaa Pos. 1
Seq#:10; Xaa Pos. 1
Seq#:11; Xaa Pos. 1
Seq#:12; Xaa Pos. 1
Seq#:13; Xaa Pos. 1
Seq#:14; Xaa Pos. 1
Seq#:15; Xaa Pos. 1
Seq#:16; Xaa Pos. 1
Seq#:17; Xaa Pos. 1
Seq#:18; Xaa Pos. 1
Seq#:19; Xaa Pos. 1
Seq#:20; Xaa Pos. 1
Seq#:21; Xaa Pos. 1
Seq#:22; Xaa Pos. 1
Seq#:23; Xaa Pos. 1
Seq#:24; Xaa Pos. 1
Seq#:25; Xaa Pos. 1
Seq#:26; Xaa Pos. 1
Seq#:27; Xaa Pos. 1
Seq#:28; Xaa Pos. 1
Seq#:29; Xaa Pos. 1
Seq#:30; Xaa Pos. 1
Seq#:31; Xaa Pos. 1,4
Seq#:32; Xaa Pos. 1,4
Seq#:33; Xaa Pos. 1,4
Seq#:34; Xaa Pos. 1,4
Seq#:35; Xaa Pos. 1,4
Seq#:36; Xaa Pos. 1,4
Seq#:37; Xaa Pos. 1,4
Seq#:38; Xaa Pos. 1,4
Seq#:39; Xaa Pos. 1,4
Seq#:40; Xaa Pos. 1,4
Seq#:41; Xaa Pos. 1,4
Seq#:42; Xaa Pos. 1,5
Seq#:43; Xaa Pos. 1,5
Seq#:44; Xaa Pos. 1,5
```

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Input Set : **N:\RJAVED\10537264.raw.txt**
Output Set: **N:\CRF4\06092005\J537264.raw**

```
Seq#:45; Xaa Pos. 1,5
Seq#:46; Xaa Pos. 1,5
Seq#:47; Xaa Pos. 1,5
Seq#:48; Xaa Pos. 1,5
Seq#:49; Xaa Pos. 1,5
Seq#:50; Xaa Pos. 1,5
Seq#:51; Xaa Pos. 1,5
```

VERIFICATION SUMMARY   DATE: 06/09/2005
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Input Set : **N:\RJAVED\10537264.raw.txt**
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```
L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
```

VERIFICATION SUMMARY   DATE: 06/09/2005
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Input Set : **N:\RJAVED\10537264.raw.txt**
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```
L:783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
```